

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 28 (NORBECK ROAD) AND EAST GUDE DRIVE IN MONTGOMERY COUNTY. EXISTING LOOP DETECTORS ON THE MAIN LINE AND SIDE STREETS ARE TO BE REPLACED WITH VIDEO DETECTION EQUIPMENT AND RELATED ZONES.

MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A FOUR PHASE SEMI-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR THE E.B. APPROACH OF MD 28. AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE NORTH AND WEST LEG OF THE INTERSECTION.

PROJECT CONTACTS

CONTACT PERSONS FOR SHA DISTRICT 3:

MS. ANYESHA MOOKHERJEE
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: 301-513-7498

MR. TOM FOUNTAIN
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: 301-513-7304

MR. VICTOR GRAFTON
UTILITY ENGINEER
PHONE: 301-513-7350

CONTACT PERSONS FOR SHA OFFICE OF TRAFFIC AND SAFETY:

MR. AVIJIT MAJI
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASIST. DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7631

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
PHONE: 410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

| CATEGORY CODE | QTY | UNITS | DESCRIPTION |
|---------------|-----|-------|--|
| 816015 | 1 | EA | VIDEO DETECTION INTERFACE EQUIPMENT: 1-8 CAMERAS |
| 973023 | 52 | SF | SHEET ALUMINUM SIGN |
| | | | 4 EA W11-1(3) (36"X36") |
| | | | 2 EA W16-7p(R) (24"X12") |
| | | | 2 EA W16-7p(L) (24"X12") |
| | | | 1 EA M1-5(6) (24"X48") |

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

| CATEGORY CODE | QTY | UNITS | DESCRIPTION |
|---------------|-----|-------|--|
| 120500 | 1 | EA | MAINTENANCE OF TRAFFIC PER ASSIGNMENT |
| 585621 | 520 | LF | 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES |
| 585625 | 120 | LF | 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES |
| 800000 | 5 | EA | VIDEO DETECTION CAMERA AND CABLE |
| 800000 | 1 | EA | REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT) |
| 801106 | 70 | LF | WOOD SIGN SUPPORTS UP TO 4" X 6" |
| 801607 | 52 | SF | INSTALL SHEET ALUMINUM SIGN |

C. ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

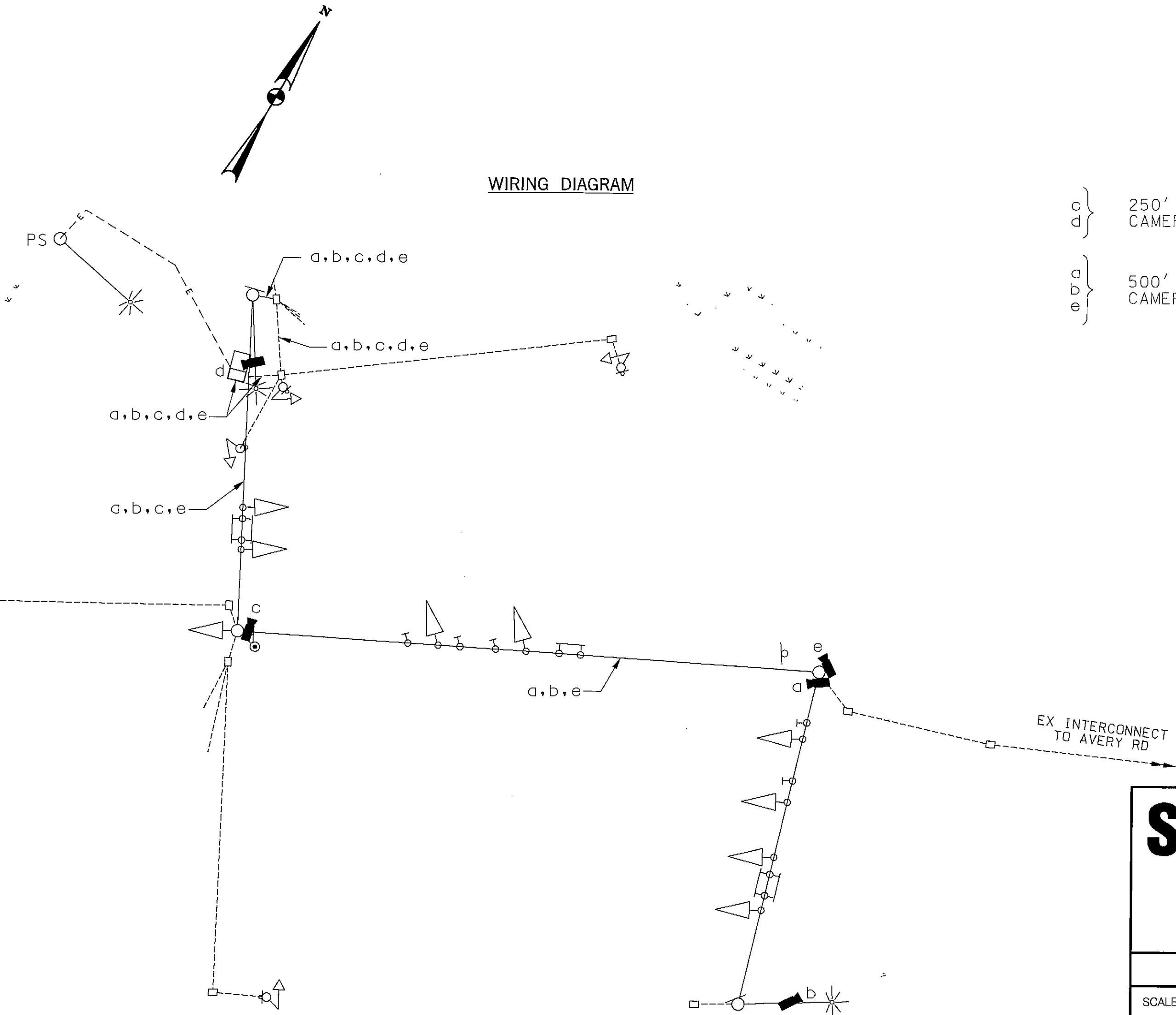
PHASE CHART

| | | | | | | | | | | | | |
|----|----|----|---|---|---|---|---|---|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| ←R | ←R | ←R | R | R | R | R | R | R | | | | |
| ←Y | ←Y | ←Y | Y | Y | Y | Y | Y | Y | | | | |
| ←G | ←G | ←G | G | G | G | G | G | G | | | | |

| | | | | | | | | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| PHASE 1 AND 6 | ←G- | ←G- | ←G- | G | G | R | R | R | R | DW | DW | DW | DW | |
| 1 AND 6 CHANGE | ←Y- | ←Y- | ←Y- | G | G | R | R | R | R | DW | DW | DW | DW | |
| PHASE 2 AND 6 | ←R- | ←R- | ←R- | G | G | G | G | R | R | WK | WK | DW | DW | |
| PED CLEAR / COUNTDOWN | ←R- | ←R- | ←R- | G | G | G | G | R | R | FLDW | FLDW | DW | DW | |
| 2 AND 6 CHANGE | ←R- | ←R- | ←R- | Y | Y | Y | Y | R | R | DW | DW | DW | DW | |
| PHASE 4 | ←R- | ←R- | ←R- | R | R | R | R | G | G | DW | DW | DW | DW | |
| 4 CHANGE | ←R- | ←R- | ←R- | R | R | R | R | Y | Y | DW | DW | DW | DW | |
| PHASE 4 ALT | ←R- | ←R- | ←R- | R | R | R | R | G | G | DW | DW | WK | WK | |
| PED CLEAR / COUNTDOWN | ←R- | ←R- | ←R- | R | R | R | R | G | G | DW | DW | FLDW | FLDW | |
| PHASE 4 ALT CHANGE | ←R- | ←R- | ←R- | R | R | R | R | Y | Y | DW | DW | DW | DW | |
| FLASHING OPERATION | FL/R | FL/R | FL/R | FL/Y | FL/Y | FL/Y | FL/Y | FL/R | FL/R | DARK | DARK | DARK | DARK | |

WIRING KEY

| | | |
|---|---|---|
| c | } | 250' VIDEO DETECTION CAMERA LEAD-IN CABLE |
| d | | |
| a | } | 500' VIDEO DETECTION CAMERA LEAD-IN CABLE |
| b | | |
| e | | |



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 28 (NORBECK RD)
AT EAST GUDE DR
ROCKVILLE, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' DATE 01-07-12 CONTRACT NO. MO1315277

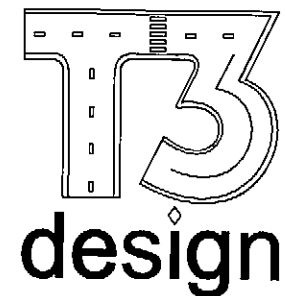
DESIGNED BY JMS COUNTY MONTGOMERY

DRAWN BY LEB LOGMILE 15028023.77

CHECKED BY AJM TMS NO. L687

FAP NO. TOD NO.

TS NO. 432G-GI DRAWING SG-06 OF 06 SHEET NO. 6 OF 6



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